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| **Skill 4.01 Exercise 1** |
| Complete the following conversions |
| 7.98 mL to L (1 L = 1000 mL) |
| 3.32 cL to L (1 L = 100 cL) |
| 1.23 kg to g (1000 g = 1 kg) |
| 5 inches to centimeters (2.54 cm = 1 in) |
| 15 oz to cups (1 cup = 8 oz) |

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| **Skill 4.01 Exercise 2** |
| Complete the following conversions |
| 100 ft2 to inches2 (12 in = 1 ft) |
| 100 cm3 to inches3 |
| 10 cm2 to m2 (100 cm = 1 m) |

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| **Skill 4.02 Exercise 1** |
| Complete the following conversions |
| 100 ft to cm (12 in = 1 ft) (2.54 cm = 1 in) |
| 100 cmto ft |
| 10 cm2 to yrds2 (100 cm = 1 m) (1.09 yrd = 1 m) |

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| **Skill 4.03 Exercise 1** |
| Given the following data,  Length = 10. cm  Width= 16 cm  Heighth=21. cm  Mass = 30.00 g |
| 1. calculate the density of the block of wood |
| 1. What is the density in Kg/m3? |
| 1. What is the density in lbs/in? (1 lb=0.4536 kilograms; 1 in=2.54 cm) |

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| **Skill 4.03 Exercise 2** |
| The density of water is 1.00 g/mL. What is the density in kg/cm3? |
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| **Skill 4.04 Exercise 1** |
| Convert the following: |
| 72oC to K |
| 178 K to oC |
| -12oC to K |